

**Disclosure AUS8-2000-0539**

Prepared for and/or by an IBM Attorney - IBM Confidential

Created By: David Kumhyr Created On: [REDACTED]

Last Modified By: Nancy Werchan Last Modified On: [REDACTED]

Required fields are marked with the asterisk (\*) and must be filled in to complete the form.

**\*Title of disclosure (In English)**

Conversational convergence software

**Summary**

|                              |  |
|------------------------------|--|
| Status                       | Final Decision (File)  |
| Docket Family                | AUS9-2001-0402   |
| Processing Location          | AUS  |
| Functional Area              | 58 - TIVOLI (B. Yellin, David Murphy, L. Wilczak, J. Clutta, Jim Hilbert)  |
| Attorney/Patent Professional | Leslie Van Leeuwen/Austin/IBM  |
| IDT Team                     | John Sweitzer/Tivoli Systems; Sebastian Hassinger/Tivoli Systems; Nicole Harbour/Tivoli Systems; Doug A Wood/Tivoli Systems; Peg MacPhail/Tivoli Systems; Rabinathanath Dutta/Austin/IBM |
| Submitted Date               | [REDACTED]   |
| Owning Division              | TIV  |
| Incentive Program            |  |
| Lab                          |  |
| Technology Code              |  |
| PVT Score                    | 40   |

**Inventors with a Blue Pages entry**

Inventors: David Kumhyr/Tivoli Systems, Peg MacPhail/Tivoli Systems@Tivoli Systems

| Inventor Name        | Inventor Serial | Div/Dept | Inventor Phone | Manager Name          |
|----------------------|-----------------|----------|----------------|-----------------------|
| > Kumhyr, David B.   | 834212          | 46/BVUA  | N/A            | Rojas, F.X. (Frank)   |
| MacPhail, M.G. (Peg) | 980022          | 46/1X9A  | 436-1464       | Sweitzer, J.W. (John) |

&gt; denotes primary contact

**Inventors without a Blue Pages entry****IDT Selection****\*Main Idea**To view the main idea for this disclosure, click on this doclink ---> ☐ (If you are prompted to enter a server name, please enter D01DB018)**\*Critical Questions (Questions 1-9 must be answered in English)**

Patent Value Tool (Optional - this may be used by the inventor and attorney to assist with the evaluation)

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Main Idea for disclosure AUS8-2000-0539 - continued

**Main Idea for Disclosure AUS8-2000-0539**

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Archived On: [REDACTED]

**Title of disclosure (In English)**

Conversational convergence software

**Idea of disclosure**

1. Describe your invention, stating the problem solved (if appropriate), and indicating the advantages of using the invention.

Merging the technologies of the chat room, instant messenger, email and web forum. Each individual component here is a method of exchanging information (groupware) that are focused on a slightly different paradigm of information exchange or conversation. Mostly divided by response time and user role.

Chat rooms are akin to a meeting, instant messaging is like a phone call, email is akin to a memo or letter and forums are like a moderated and categorised discussion. All serve different purposes and have differing strengths, all are misused to attempt to stretch the medium to act like another.

I propose the merging of all of the function in one product that would enable the conversation holders to move to another conversation style or domain as the need arose.

2. How does the invention solve the problem or achieve an advantage, (a description of "the invention", including figures inline as appropriate)?

Enable the flow of conversation to move into using the medium that most suits the style of the discussion. It becomes a better business model for solving problems remotely on line.

3. If the same advantage or problem has been identified by others (inside/outside IBM), how have those others solved it and does your solution differ and why is it better?

Yes, but each in the individual area of communications, not almagamated.

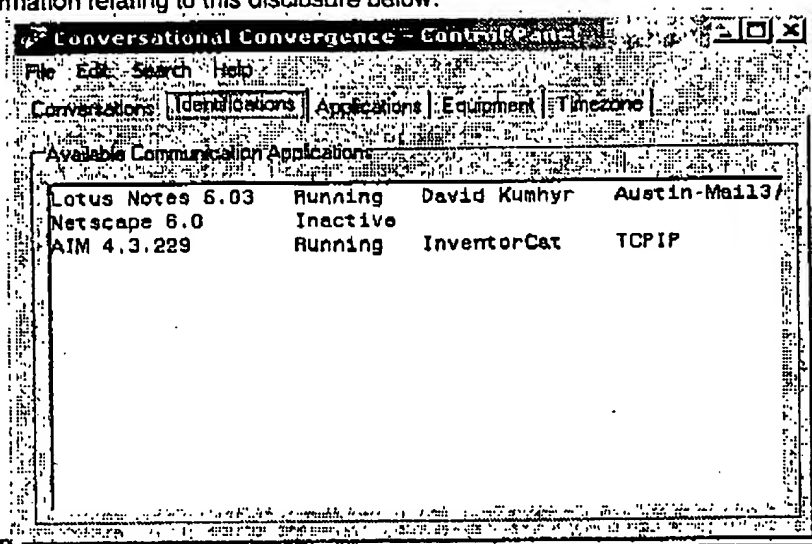
4. If the invention is implemented in a product or prototype, include technical details, purpose, disclosure details to others and the date of that implementation.

No

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**Search Information****Search Office Information****Final Decision****Post Disclosure Text & Drawings**

Enter any additional information relating to this disclosure below:



CCS.ppt CCSProposalA.pp

Ideas/splis:

CAT Brokering site

One time certificates for membership authentication by role

| Idea   | Variations  | Applications   |
|--------|-------------|--|
| ID set |             | CCS basic idea of switching communication application  |
|        | Roles       | Tailor communications based on Role <ul style="list-style-type: none"> <li>Who must be there</li> <li>Level of Interest</li> <li>Field of interest</li> <li>Actions allowed</li> </ul> Delegation of role<br>Policy and rules based on role<br>Assign a role to a set of ids   |
|        | Permissions | Tailor communications based on permissions <ul style="list-style-type: none"> <li>Level of trust</li> <li>Level of interest</li> <li>Field of interest</li> <li>Actions allowed</li> </ul> Delegation of permissions along with role - perhaps a subset when delegated<br>Permissions based on policy and rules, roles<br>Assign permissions to a set of ids |
|        | Nesting     | Nest sets of ids<br>Nest permissions   |
|        | Aggregation | Aggregate sets of ids  |

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|                                   |                       |  |
|-----------------------------------|-----------------------|--|
|                                   |                       | Aggregate based on role  |
|                                   | Certificate to join   | 3rd party  |
| Availability determination        |                       | Determine current availability all members for the set of communications services<br>Track down an individual - know what commo works at this moment for them  |
|                                   | Delegation            |  |
|                                   | Next available window |  |
| Categorize communications service |                       | Scatter/Gather - using multiple communication mechanisms <ul style="list-style-type: none"> <li>• "teleport"</li> <li>• "resting?"</li> <li>• redundant</li> <li>• insurance</li> <li>• security</li> <li>• service level</li> </ul> |

Here is our breakdown of the separate filings under CCS/CAT - I'll append this note into the applicatoin.

#### Communications Convergence (Communications Aggregation Technique - CAT)

A software application that enables switching between various communications mechanisms as a user chooses as their communication needs change. I.e. switching from email to instant messaging on the fly.

#### CAT Brokering Web/Server Site

A brokering web server site for enabling users to gather and select and switch between communications methods and channels.

#### Communications Switching Object

An object (ID set) that allows the gathering of different user IDs and optionally passwords for use with CAT Communications Switching Object.

#### Aggregation of Communications Groups

Aggregation of communications object IDs into groups (extended functionality)

#### Nesting of Communications

Nesting sets of IDs and permissions

#### Automatic Selection of Efficient or Appropriate Communications Channel

Automatically select the most efficient or communications channel or means - or select the appropriate channel for the level of service or security specified by role and permissions.

#### Tailoring of Communications Based on Permissions and Role

Tailoring the communications channel based on permissions and role (trust, interest, actions)

#### Scatter/Gather Using Multiple Communications Channels

Scatter/Gather using multiple communications channels for redundancy, security, insurance etc.

#### Certification for Joining Communications Channel at a Trust Level

Certification for joining communications channel or group at a specified trust level.

#### Aggregation of Trust Certificates

Aggregation of trust certificates for joining or promoting trust level.

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Availability determination and next availability window

Availability determination of a communications time and determining the next availability window


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(Form Revised 12/17/97)

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Doug A Wood/Tivoli Systems  
Peg MacPhail/Tivoli Systems  
Rabindranath Dutta/Austin/IBM

Response Due to IP&L : **[REDACTED]****\*Main Idea**

To view the main idea for this disclosure, click on this doclink ---->  (If you are prompted to enter a server name, please enter D01DB016)

**\*Critical Questions (Questions 1-9 must be answered in English)****\*Question 1**

On what date was the invention workable? **[REDACTED]** Please format the date as MM/DD/YYYY  
(Workable means i.e. when you know that your design will solve the problem)

**\*Question 2**

Is there any planned or actual publication or disclosure of your invention to anyone outside IBM? ☐ Yes  
☒ No

If yes, Enter the name of each publication or patent and the date published below.

Publication/Patent:

Date Published or Issued:

Are you aware of any publications, products or patents that relate to this invention? ☐ Yes  
☒ No

If yes, Enter the name of each publication or patent and the date published below.

Publication/Patent:

Date Published or Issued:

**\*Question 3**

Has the subject matter of the invention or a product incorporating the invention been sold, used internally in manufacturing, announced for sale, or included in a proposal? ☐ Yes  
☒ No

Is a sale, use in manufacturing, product announcement, or proposal planned? ☐ Yes  
☒ No

If Yes, identify the product if known and indicate the date or planned date of sale, announcements, or proposal and to whom the sale, announcement or proposal has been or will be made.

Product:

Version/Release:

Code Name:

Date:

To Whom:

If more than one, use cut and paste and append as necessary in the field provided.

**\*Question 4**

Was the subject matter of your invention or a product incorporating your invention used in public, e.g., outside IBM or in the presence of non-IBMers? ☐ Yes  
☒ No

If yes, give a date. Please format the date as MM/DD/YYYY

**\*Question 5**

Have you ever discussed your invention with others not employed at IBM? ☐ Yes  
☒ No

If yes, identify individuals and date discussed. Fill in the text area with the following information, the

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names of the individuals, the employer, date discussed, under CDA, and CDA #.

**\*Question 6**

Was the invention, in any way, started or developed under a government contract or project?

☐ Yes  
☐ No  
☐ Not sure

If Yes, enter the contract number

**\*Question 7**

Was the invention made in the course of any alliance, joint development or other contract activities?

☐ Yes  
☒ No  
☐ Not Sure

If Yes, enter the following:

Name of Alliance, Contractor or Joint Developer

Contract ID number

Relationship contact name

Relationship contact E-mail

Relationship contact phone

**\*Question 8**

Have you, or any of the other inventors, submitted this same invention disclosure or similar invention disclosure previously?

☐ Yes  
☒ No

If Yes, please provide disclosure number below:

**\*Question 9**

Are you, or any of the other inventors, aware of any related inventions disclosures submitted by anyone in IBM previously?

☐ Yes  
☐ No

If Yes, please provide the docket or disclosure number or any other identifying information below:

**Question 10**What type of companies do you expect to compete with inventions of this type? *Check all that apply.*

- ☐ Manufacturers of enterprise servers
- ☐ Manufacturers of entry servers
- ☐ Manufacturers of workstations
- ☐ Manufacturers of PC's
- ☐ Non-computer manufacturers
- ☐ Developers of operating systems
- ☒ Developers of networking software
- ☒ Developers of application software
- ☐ Integrated solution providers
- ☒ Service providers
- ☒ Other (Please specify below)

Ideal groupware product to extend Lotus Notes

**Question 11**

If the invention relates to a product or service that is outside the scope of your business unit, please recommend IBM business unit(s), IBM location(s) or individual(s) within IBM that you think would provide a good evaluation of your invention: